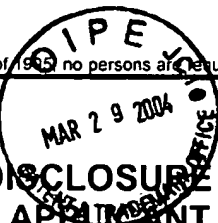


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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet

1

of

12

## **Complete if Known**

Application Number 10/717,226  
 Filing Date 11/19/2003  
 First Named Inventor KIM et al  
 Art Unit 1614  
 Examiner Name  
 Attorney Docket Number 39894-00601

## **U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
LR	1	US- Re 33,093	10/17/1989	Schiraldi et al.	
	2	US- Re 34,196	03/16/1993	Munro	
	3	US- 4,517,173	05/14/1985	Kizawa et al	
	4	US- 4,696,757	09/29/1987	Blank et al	
	5	US- 4,713,243	12/15/1987	Schiraldi et al	
	6	US- 4,728,291	03/01/1988	Golub	
	7	US- 4,741,700	05/03/1988	Barabe	
	8	US- 4,741,941	05/03/1988	Englebert et al	
	9	US- 4,786,253	11/22/1988	Morais	
	10	US- 4,799,888	01/24/1989	Golub	
	11	US- 4,812,308	03/14/1989	Winston et al	
	12	US- 4,839,156	06/13/1989	Ng et al	
	13	US- 4,839,157	06/13/1989	Mei-King Ng et al	
	14	US- 4,891,211	01/02/1990	Winston	
	15	US- 4,895,721	01/23/1990	Drucker	
	16	US- 4,900,552	02/13/1990	Sanvordeker et al	
	17	US- 4,900,554	02/13/1990	Yanagibashi et al	
LR	18	US- 4,919,615	04/24/1990	Croll	

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
LR	1	GB 2108841	05/25/1983	Sandoz Ltd		
LR	2	JP 10017448	01/20/1998	Lion Corp.		
LR	3	WO 99/62472	12/09/1999	Wolf		
LR	4	WO 01168045	09/20/2001	LG Chemical Ltd.	Search Report	
LR	5	JP 2000-281548	10/10/2000	Takashi		

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Date  
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04/24/2006

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STATEMENT BY APPLICANT**

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Sheet 2 of 12

**Complete if Known**

Application Number	10/717,226
Filing Date	11/19/2003
First Named Inventor	KIM et al
Art Unit	1614
Examiner Name	
Attorney Docket Number	39894-00601

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		Number-Kind Code <sup>2</sup> (if known)			
LR	19	US- 4,933,182	06/12/1990	Higashi et al	
	20	US- 4,983,379	01/08/1991	Schaeffer	
	21	US- 4,983,380	01/08/1991	Yarborough	
	22	US- 5,000,940	03/19/1991	Staples et al	
	23	US- 5,008,106	04/16/1991	Merianos et al	
	24	US- 5,009,885	04/23/1991	Yarborough	
	25	US- 5,032,178	07/16/1991	Cornell	
	26	US- 5,041,280	08/20/1991	Smigel	
	27	US- 5,055,287	10/08/1991	Kessler	
	28	US- 5,059,417	10/22/1991	Williams et al	
	29	US- 5,084,268	01/28/1992	Thaler	
	30	US- 5,098,303	03/24/1992	Fischer	
	31	US- 5,110,583	05/05/1992	Sampathkumar	
	32	US- 5,122,365	06/16/1992	Murayama	
	33	US- 5,128,122	07/07/1992	Cerami et al	
	34	US- 5,130,124	07/14/1992	Merianos et al	
	35	US- 5,166,233	11/24/1992	Kuroya et al	
LR	36	US- 5,171,564	12/15/1992	Nathoo et al	

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
LR	6	WO 98/55044	03/09/1999	Procter & Gamble Co.		
LR	7	WO 2000/54699	09/21/2000	Procter & Gamble Co.		

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STATEMENT BY APPLICANT**

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Sheet 3 of 12

**Complete if Known**

Application Number	10/717,226
Filing Date	11/19/2003
First Named Inventor	KIM et al
Art Unit	
Examiner Name	
Attorney Docket Number	39894-00601

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LR	37	US- 5,192,532	03/09/1993	Guay et al	
	38	US- 5,208,010	05/04/1993	Thaler	
	39	US- 5,217,710	06/08/1993	Williams et al	
	40	US- 5,234,342	08/10/1993	Fischer	
	41	US- 5,234,957	08/10/1993	Mantelle	
	42	US- 5,240,415	08/31/1993	Haynie	
	43	US- 5,256,402	10/26/1993	Prencipe et al	
	44	US- 5,279,816	01/18/1994	Church et al	
	45	US- 5,281,412	01/25/1994	Lukacovic et al	
	46	US- 5,290,566	03/01/1994	Schow et al	
	47	US- 5,292,502	03/08/1994	Burke et al	
	48	US- 5,302,375	04/12/1994	Viscio	
	49	US- 5,310,563	05/10/1994	Curtis et al	
	50	US- 5,326,685	07/05/1994	Gaglio et al	
	51	US- 5,332,576	07/26/1994	Mantelle	
	52	US- 5,340,314	08/23/1994	Tarvis	
	53	US- 5,340,581	08/23/1994	Tseng et al	
LR	54	US- 5,348,734	09/20/1994	Ratcliff	

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 4 of 12

**Complete if Known**

Application Number	10/717.226
Filing Date	11/19/2003
First Named Inventor	KIM et al
Art Unit	1614
Examiner Name	
Attorney Docket Number	39894-00601

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
LR	55	US- 5,366,285	11/22/1994	Borgen et al	
	56	US- 5,372,802	12/13/1994	Barrows et al	
	57	US- 5,376,006	12/27/1994	Fischer	
	58	US- 5,380,198	01/10/1995	Suhonen	
	59	US- 5,401,495	03/28/1995	Murayama	
	60	US- 5,409,631	04/25/1995	Fischer	
	61	US- 5,425,953	06/20/1995	Sinitov et al	
	62	US- 5,437,858	08/01/1995	Hungerbach et al	
	63	US- 5,438,076	08/01/1995	Friedman et al	
	64	US- 5,536,285	07/16/1996	Isaksson et al	
	65	US- 5,505,956	04/09/1996	Kim et al	
	66	US- 5,560,379	10/01/1996	Pieczenik	
	67	US- 5,565,190	10/15/1996	Santalucia et al	
	68	US- 5,575,654	11/19/1996	Fontenot	
	69	US- 5,611,687	03/18/1997	Wagner	
	70	US- 5,614,174	03/25/1997	Hsu et al	
	71	US- 5,620,322	04/15/1997	Lococo	
LR	72	US- 5,626,866	05/06/1997	Ebert et al	

**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

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Sheet 5 of 12

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LR	73	US- 5,631,000	05/20/1997	Pellico et al	
	74	US- 5,631,055	05/20/1997	Vines et al	
	75	US- 5,639,445	06/17/1997	Curtis et al	
	76	US- 5,648,064	07/15/1997	Gaffar et al	
	77	US- 5,683,680	11/04/1997	Santalucia et al	
	78	US- 5,689,182	11/18/1997	Togo et al	
	79	US- 5,700,478	12/23/1997	Biegajski et al	
	80	US- 5,707,611	01/13/1998	Ikemura et al	
	81	US- 5,707,736	01/13/1998	Levy et al	
	82	US- 5,713,738	02/03/1998	Yarborough	
	83	US- 5,718,886	02/17/1998	Pellico	
	84	US- 5,723,132	03/03/1998	Tseng et al	
	85	US- 5,725,843	03/10/1998	Fischer	
	86	US- 5,746,598	05/05/1998	Fischer	
	87	US- 5,766,574	06/16/1998	Christina-Beck et al	
	88	US- 5,770,105	06/23/1998	Fischer	
	89	US- 5,770,182	06/23/1998	Fischer	
LR	90	US- 5,776,437	07/07/1998	Burgess et al	

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LR	91	US- 5,785,527	07/28/1998	Jensen et al	
	92	US- 5,785,957	07/28/1998	Losee et al	
	93	US- 5,814,303	09/29/1998	Williams et al	
	94	US- 5,814,304	09/29/1998	Wong et al	
	95	US- 5,820,822	10/13/1998	Kross	
	96	US- 5,820,852	10/13/1998	Burgess et al	
	97	US- 5,820,854	10/13/1998	Glandorf	
	98	US- 5,846,570	12/08/1998	Barrow et al	
	99	US- 5,849,269	12/15/1998	Burgess et al	
	100	US- 5,851,514	12/22/1998	Hassan et al	
	101	US- 5,855,875	01/05/1999	Williams et al	
	102	US- 5,858,332	01/12/1999	Jensen et al	
	103	US- 5,863,202	01/26/1999	Fontenot et al	
	104	US- 5,879,691	03/09/1999	Sagel et al	
	105	US- 5,885,553	03/23/1999	Michael	
	106	US- 5,885,554	03/23/1999	Michael et al	
	107	US- 5,890,249	11/09/1999	Fontenot	
LR	108	US- 5,891,453	04/06/1999	Sagel et al	

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Examiner Signature	/Lezah Roberts/	Date Considered	04/24/2006
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 7 of 12**Complete if Known**

Application Number	10/717,226
Filing Date	11/19/2003
First Named Inventor	KIM et al
Art Unit	1614
Examiner Name	
Attorney Docket Number	39894-00601

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
LR	109	US- 5,894,017	04/13/1999	Sagel et al	
	110	US- 5,902,568	05/11/1999	Ryles et al	
	111	US- 5,908,614	06/01/1999	Montgomery	
	112	US- 5,914,118	06/22/1999	Yamamura et al	
	113	US- 5,915,969	06/29/1999	Linden	
	114	US- 5,922,307	07/13/1999	Montgomery	
	115	US- 5,928,628	07/27/1999	Pellico	
	116	US- 5,932,193	08/03/1999	Lopez et al	
	117	US- 5,945,032	08/31/1999	Breitenbach et al	
	118	US- 5,980,249	11/09/1999	Fontenot	
	119	US- 5,985,249	11/16/1999	Fischer	
	120	US- 5,989,526	11/23/1999	Aaslyng et al	
	121	US- 5,989,569	11/23/1999	Dirksing et al	
	122	US- 6,007,795	12/28/1999	Masterman et al	
	123	US- 6,017,515	01/25/2000	van den Bosch	
	124	US- 6,022,528	02/03/2000	Waterfield et al	
	125	US- 6,030,222	02/29/2000	Tarver	
LR	126	US- 6,036,493	03/14/2000	Sharma	

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

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Filing Date	11/19/2003
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Art Unit	1614
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Attorney Docket Number	39894-00601

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		Number-Kind Code <sup>2</sup> (if known)			
LR	127	US- 6,036,943	03/14/2000	Fischer	
	128	US- 6,045,811	04/04/2000	Dirsking et al	
	129	US- 6,072,100	06/06/2000	Mooney et al	
	130	US- 6,080,811	06/27/2000	Schelmann et al	
	131	US- 6,083,421	07/04/2000	Huang et al	
	132	US- 6,086,855	07/11/2000	Fischer	
	133	US- 6,096,328	08/01/2000	Sagel et al	
	134	US- 6,106,293	08/22/2000	Wiesel	
	135	US- 6,106,812	08/22/2000	Prencipe et al	
	136	US- 6,110,446	08/29/2000	Prencipe et al	
	137	US- 6,121,213	09/19/2000	Vergara et al	
	138	US- 6,136,297	10/24/2000	Sagel et al	
	139	US- 6,149,895	11/21/2000	Kutsch	
	140	US- 6,155,832	12/05/2000	Wiesel	
	141	US- 6,174,516	01/16/2001	Curtis et al	
	142	US- 6,190,689	02/20/2001	Hoffmann et al	
	143	US- 6,197,331	03/06/2001	Lerner et al	
LR	144	US- 6,221,341	04/24/2001	Montgomery	

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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### Complete if Known

Application Number 10/717,226  
Filing Date 11/19/2003  
First Named Inventor KIM et al  
Art Unit 1614  
Examiner Name  
Attorney Docket Number 39894-00601

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LR	145	US- 6,241,973	06/05/2001	Rinne	
	146	US- 6,274,122	08/14/2001	McLaughlin	
	147	US- 6,277,458	08/21/2001	Dirksing et al	
	148	US- 6,280,708	08/28/2001	Ryles et al	
	149	US- 6,284,152	09/04/2001	Kross	
	150	US- 6,290,934	09/18/2001	Kramer et al	
	151	US- 6,290,935	09/18/2001	Masters et al	
	152	US- 6,306,370	10/23/2001	Jensen et al	
	153	US- 6,309,622	10/30/2001	Watkins	
	154	US- 6,309,625	10/30/2001	Jensen et al	
	155	US- 6,312,666	11/06/2001	Oxman et al	
	156	US- 6,312,670	11/06/2001	Montgomery	
	157	US- 6,312,671	11/06/2001	Jensen et al	
	158	US- 6,319,510	11/20/2001	Yates	
	159	US- 6,322,773	11/27/2001	Montgomery	
✓	160	US- 6,322,774	11/27/2001	Jensen et al	
	161	US- 6,325,997	12/04/2001	Christopf	
LR	162	US- 6,331,291	12/18/2001	Glance et al	

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LR	163	US- 6,331,292	12/18/2001	Montgomery	
	164	US- 6,342,206	01/29/2002	Gopalkrishnan et al	
	165	US- 6,348,187	02/19/2002	Pan et al	
	166	US- 6,350,437	02/26/2002	Pasetti et al	
	167	US- 6,350,438	02/26/2002	Witt et al	
	168	US- 6,365,134	04/02/2002	Orlowski et al	
	169	US- 6,368,576	04/09/2002	Jensen et al	
	170	US- 6,375,933	04/23/2002	Subramanyam et al	
	171	US- 6,379,653	04/30/2002	Aaslyng et al	
	172	US- 6,391,283	05/21/2002	Jensen et al	
	173	US- 6,391,286	05/21/2002	Mitra et al	
	174	US- 6,403,060	06/11/2002	Bornstein et al	
	175	US- 6,409,992	06/25/2002	Kleinberg et al	
	176	US- 6,409,993	06/25/2002	Jensen et al	
	177	US- 6,409,994	06/25/2002	Dahlin	
	178	US- 6,413,502	07/02/2002	Bornstein et al	
	179	US- 6,419,902	07/16/2002	Wright	
LR	180	US- 6,419,905	07/16/2002	Alvarez Hernandez	

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Sheet	11	of	12
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LR	181	US- 6,419,906	07/16/2002	Xu et al	
	182	US- 6,423,300	07/23/2002	Kleinberg et al	
	183	US- 6,435,873	08/20/2002	Burgio	
	184	US- 6,440,396	08/27/2002	McLaughlin	
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	191	US- 6,475,472	11/05/2002	Joiner et al	
	192	US- 6,479,037	11/12/2002	Montgomery	
	193	US- 6,485,709	11/26/2002	Banerjee et al	
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	197	US- 6,503,485	01/07/2003	Allred	
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Sheet 12 of 12

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LR	199	US- 6,509,007	01/21/2003	Rajaiah et al	
	200	US- 6,514,483	02/04/2003	Xu et al	
	201	US- 6,514,484	02/04/2003	Rajaiah et al	
	202	US- 6,517,350	02/11/2003	Diasti et al	
	203	US- 2002-081555	06/27/2002	Weisel	
		US- 6,682,721	5/1/2003	Kim et al.	
LR		US- 6,689,344	7/17/2003	Chang et al.	
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Application Number	10/717,226
Filing Date	11/19/2003
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Art Unit	1614
Examiner Name	
Attorney Docket Number	39894-006

*(Use as many sheets as necessary)*

Sheet	1	of	1	Attorney Docket Number	39894-00601
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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/717,226
Filing Date	November 19, 2003
First Named Inventor	KIM
Art Unit	3732
Examiner Name	KRASS
Attorney Docket Number	39894-00601

Sheet	1	of	2
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## U. S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	1*
		Country Code*Number**Kind Code* (if known)	MM-DD-YYYY			
LR		WO95/17158	06-29-1995	SmithKline Beecham Corp		
LR		JP 10-17448	01-20-1998	Lion Corp		✓

Examiner Signature	/Lezah Roberts/	Date Considered	04/24/2006
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 808. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08B (07-05)

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Substitute for form 1448/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/717,228
		Filing Date	November 19, 2003
		First Named Inventor	KIM
		Art Unit	3732
		Examiner Name	KRASS
Sheet 2	of 2	Attorney Docket Number	39894-00601

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
LR		Supplementary European Search Report for EP 01 90 6382, (corresponding EP application for parent application PCT/KR01/00207	

Examiner Signature	/Lezah Roberts/	Date Considered	04/24/2006
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/717,226
Filing Date	November 19, 2003
First Named Inventor	KIM et al
Art Unit	1614
Examiner Name	
Attorney Docket Number	39894-00601

Sheet 1 of 1

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	xT <sup>2</sup>
LR	1	KIM, et al., US Patent Application No. 10/445,589 entitled Patches for Whitening Teeth, 48 pp.	
LR	2	CHANG, et al., US Patent Application No. 10/177,689 entitled "Multi-Layer Patches for Teeth Whitening, 89 pp.	
LR	3	CHALYKH, et al., FRACTURE MECHANICS OF POLY(N-VINYL PYRROLIDONE) POLY(ETHYLENE GLYCL) HYDROGEL ADHESIVE JOINTS, Polym. Mater. Sci. Eng., Vol. 81, 1999, pages 427-428	

Examiner  
Signature

/Lezah Roberts/

Date  
Considered

04/24/2006

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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